

10/067,189

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FILE 'CAPLUS' ENTERED AT 16:16:58 ON 29 JUL 2002

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FILE COVERS 1907 - 29 Jul 2002 VOL 137 ISS 5

FILE LAST UPDATED: 28 Jul 2002 (20020728/ED)

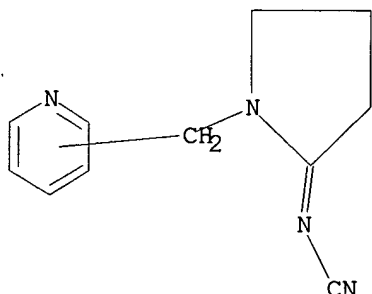
This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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L1

STR



Structure attributes must be viewed using STN Express query preparation.

L3 1 SEA FILE=REGISTRY SSS FUL L1

L4 4 SEA FILE=CAPLUS L3

=> d l4 1-4 ibib abs hitstr

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:549118 CAPLUS

DOCUMENT NUMBER: 131:181124

TITLE: Aqueous formulations for combating parasitic insects and acarina on humans

INVENTOR(S): Sirinyan, Kirkor; Horn, Karin; Stocker, Ronald Helmut; Sonneck, Rainer

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

10/067,189

LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941987	A1	19990826	WO 1999-EP878	19990210
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19807630	A1	19990826	DE 1998-19807630	19980223
CA 2321206	AA	19990826	CA 1999-2321206	19990210
AU 9925230	A1	19990906	AU 1999-25230	19990210
AU 739980	B2	20011025		
BR 9908197	A	20001024	BR 1999-8197	19990210
EP 1056342	A1	20001206	EP 1999-904877	19990210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503682	T2	20020205	JP 2000-532014	19990210
ZA 9901384	A	19990823	ZA 1999-1384	19990222
US 6369054	B1	20020409	US 2000-601572	20000803
PRIORITY APPLN. INFO.:			DE 1998-19807630 A	19980223
			WO 1999-EP878 W	19990210

OTHER SOURCE(S): MARPAT 131:181124

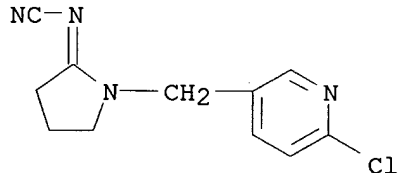
AB The invention relates to aq. formulations for combating parasitic insects and acarina on the skin of human beings, having the following compn.: agonists or antagonists of nicotinic acetylcholine receptors of insects, such as imidacloprid, at 0.0001-7.5 wt. %; water, at 20-50 wt. %; acyclic alcs., at 20-50 wt. %; solvents from the group of cyclic carbonates or lactones, .5-20.0 wt. %; and, optionally, other adjuvants from the group of thickening agents, antioxidants, expanding agents, preserving agents, deposit builders and emulsifiers, at .gtoreq.30 wt. %.

IT **172333-79-8**

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(aq. ectoparasiticide formulation for humans)

RN 172333-79-8 CAPLUS

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)

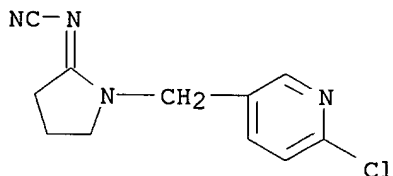


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:549117 CAPLUS  
DOCUMENT NUMBER: 131:166526

TITLE: Aqueous formulations of animal ectoparasitocides  
 INVENTOR(S): Sirinyan, Kirkor; Dorn, Hubert; Heukamp, Ulrich  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941986	A1	19990826	WO 1999-EP875	19990210
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19807633	A1	19990826	DE 1998-19807633	19980223
CA 2321209	AA	19990826	CA 1999-2321209	19990210
AU 9926230	A1	19990906	AU 1999-26230	19990210
BR 9908173	A	20001031	BR 1999-8173	19990210
EP 1056343	A1	20001206	EP 1999-906223	19990210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, LT, LV, FI, RO				
JP 2002503681	T2	20020205	JP 2000-532013	19990210
ZA 9901385	A	19990823	ZA 1999-1385	19990222
NO 2000004188	A	20001023	NO 2000-4188	20000822
PRIORITY APPLN. INFO.: DE 1998-19807633 A 19980223 WO 1999-EP875 W 19990210				
OTHER SOURCE(S): MARPAT 131:166526				
AB The invention relates to aq. formulations for combating parasitic insects and acarina on the skin of animals, having the following compn.: (a) agonists or antagonists of nicotinic acetylcholine receptors of insects, at 1-20 wt. %; (b) water, at 2.5-15 wt. %; (c) solvents from the group of alcs., such as benzyl alc., tetrahydrofurfuryl alc. or optionally-substituted pyrrolidone, at .gtoreq.20 wt. %; (d) solvents from the group of the cyclic carbonates or lactones. at 5-50.0 wt. %; (e) optionally, other adjuvants from the group of the thickening agents, spreading agents, colorants, antioxidants, expanding agents, preserving agents, deposit builders and emulsifiers, at 0.025-10 wt. %.				
IT <b>172333-79-8</b> RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (in aq. formulations of animal ectoparasitocides)				
RN 172333-79-8 CAPLUS				
CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI) (CA INDEX NAME)				



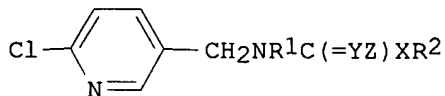
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:756483 CAPLUS  
DOCUMENT NUMBER: 126:71597  
TITLE: Synergistic insecticidal, nematocidal and acaricidal compositions.  
INVENTOR(S): Erdelen, Christoph; Kraemer, Wolfgang; Brueggen, Kai-Uwe  
PATENT ASSIGNEE(S): Bayer A.-G., Germany  
SOURCE: Ger. Offen., 13 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19519007	A1	19961128	DE 1995-19519007	19950524
WO 9637105	A1	19961128	WO 1996-EP2039	19960513
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9658185	A1	19961211	AU 1996-58185	19960513
AU 712006	B2	19991028		
EP 828421	A1	19980318	EP 1996-919773	19960513
R: AT, BE, DE, DK, ES, FR, GB, GR, IT, NL, PT				
CN 1190870	A	19980819	CN 1996-195504	19960513
BR 9609100	A	19990202	BR 1996-9100	19960513
JP 11505813	T2	19990525	JP 1996-535325	19960513
US 5994331	A	19991130	US 1997-952359	19971117
US 6060489	A	20000509	US 1999-360971	19990727
US 6218407	B1	20010417	US 2000-488090	20000120
CN 1307801	A	20010815	CN 2000-133930	20001108
US 2001025050	A1	20010927	US 2001-782464	20010212
PRIORITY APPLN. INFO.:			DE 1995-19519007	A 19950524
			WO 1996-EP2039	W 19960513
			US 1997-952359	A3 19971117
			US 1999-360971	A3 19990727
			US 2000-488090	A3 20000120

OTHER SOURCE(S): MARPAT 126:71597  
GI



I

AB The title compns. comprise a chloronicotinoyl deriv. I ( $\text{R}^1$  = alkyl;  $\text{R}^2$  = H or alkyl;  $\text{R}^1\text{R}^2$  =  $\text{CH}_2\text{CH}_2$ ,  $\text{CH}_2\text{CH}_2\text{CH}_2$  or  $\text{CH}_2\text{CMeCH}_2$ ; X = NH, NMe or S; Y = N or CH; Z = CN or  $\text{NO}_2$ ) and another insecticide, such as M-gusathion, curacron, mesurol, AC 303,630, Tamaron, Polo, etc.

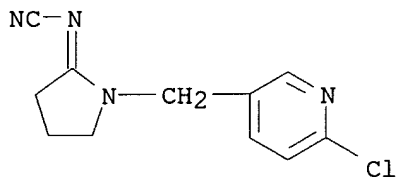
IT **172333-79-8D**, mixts. contg.  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

10/067,189

(synergistic insecticidal, nematocidal and acaricidal compns.)

RN 172333-79-8 CAPLUS

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:30055 CAPLUS

DOCUMENT NUMBER: 124:79467

TITLE: Nonsystemic ectoparasiticides.

INVENTOR(S): Dorn, Hubert; Hopkins, Terence

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Eur. Pat. Appl., 33 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 682869	A1	19951122	EP 1995-106925	19950508
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
DE 4417742	A1	19951123	DE 1994-4417742	19940520
CA 2149594	AA	19951121	CA 1995-2149594	19950517
IL 113756	A1	19991028	IL 1995-113756	19950517
FI 9502421	A	19951121	FI 1995-2421	19950518
AU 9520144	A1	19951130	AU 1995-20144	19950518
AU 696581	B2	19980917		
NO 9501993	A	19951121	NO 1995-1993	19950519
ZA 9504107	A	19960119	ZA 1995-4107	19950519
HU 71902	A2	19960228	HU 1995-1483	19950519
HU 220131	B	20011128		
JP 08092091	A2	19960409	JP 1995-144251	19950519
JP 3276808	B2	20020422		
RU 2166253	C2	20010510	RU 1995-107893	19950519
JP 2002201131	A2	20020716	JP 2001-386054	19950519
US 6232328	B1	20010515	US 1997-925372	19970908
US 2001021716	A1	20010913	US 2001-781108	20010209
US 2001027201	A1	20011004	US 2001-780646	20010209
US 2001041723	A1	20011115	US 2001-780918	20010209
US 2001044456	A1	20011122	US 2001-780783	20010209
US 6329374	B1	20011211	US 2001-781028	20010209

PRIORITY APPLN. INFO.:

DE 1994-4417742 A 19940520

US 1995-440428 B1 19950512

JP 1995-144251 A3 19950519

US 1997-925372 A3 19970908

OTHER SOURCE(S): MARPAT 124:79467

AB Agonists and antagonists of nicotinergerg acetylcholine receptors (Markush given), such as imidacloprid, are nonsystemic ectoparasiticides for humans and animals, suitable for the control of fleas, lice and flies.

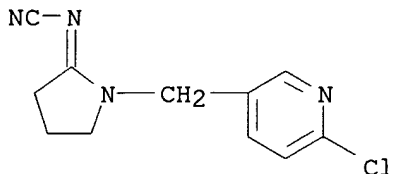
IT 172333-79-8

10/067,189

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)  
(nonsystemic ectoparasiticide)

RN 172333-79-8 CAPLUS

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



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FILE 'USPATFULL' ENTERED AT 16:17:22 ON 29 JUL 2002

CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:17:22 ON 29 JUL 2002

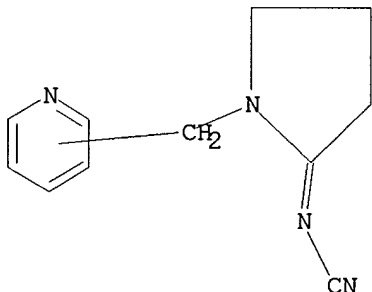
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

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L5 11 L3

=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 1 SEA FILE=REGISTRY SSS FUL L1

L5 11 SEA L3

=> d 15 1-11 ibib abs hitstr

L5 ANSWER 1 OF 11 USPATFULL

ACCESSION NUMBER: 2002:75429 USPATFULL

TITLE: Aqueous agents for combating parasitic insects and  
acarina in human beings

INVENTOR(S): Sirinyan, Kirkor, Gladbach, GERMANY, FEDERAL REPUBLIC  
OF  
Horn, Karin, Solingen, GERMANY, FEDERAL REPUBLIC OF  
Stocker, Ronald Helmut, Monheim, GERMANY, FEDERAL  
REPUBLIC OF  
Sonneck, Rainer, Leverkusen, GERMANY, FEDERAL REPUBLIC  
OF

10/067,189

PATENT ASSIGNEE(S): Bayer AG, Leverkusen, GERMANY, FEDERAL REPUBLIC OF  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6369054	B1	20020409
	WO 9941987		19990826
APPLICATION INFO.:	US 2000-601572		20000803 (9)
	WO 1999-EP878		19990210
			20000803 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19807630	19980223
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Pryor, Alton	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	585	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to water-containing formulations for the dermal control of parasitic insects and mites on humans, said formulations having the following composition:

a--agonists or antagonists of the nicotinic acetylcholine receptors of insects in a concentration of from 0.0001 to 7.5% by weight, based on the overall weight of the formulation;

b--water in a concentration of from 20 to 50% by weight, based on the overall weight of the formulation;

c--acyclic alcohols in a concentration of from 20 to 50% by weight, based on the overall weight of the formulation;

d--solvents from the group consisting of cyclic carbonates and lactones in a concentration of from 2.5 up to 20.0% by weight, based on the overall weight of the formulation;

e--optionally further auxiliaries from the group consisting of thickeners, spreading agents, colorants, antioxidants, propellants, preservatives, tackifiers, emulsifiers, in a concentration of from 0 up to 30% by weight, based on the overall weight of the formulation.

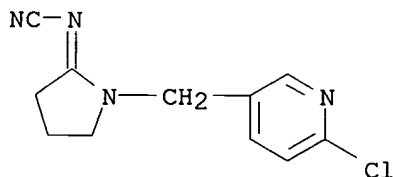
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 172333-79-8

(aq. ectoparasiticide formulation for humans)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



10/067,189

L5 ANSWER 2 OF 11 USPATFULL

ACCESSION NUMBER: 2001:226631 USPATFULL  
TITLE: Non-systemic control of parasites  
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of  
Hopkins, Terence, Qld., Australia  
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal  
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6329374	B1	20011211
APPLICATION INFO.:	US 2001-781028		20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, now patented, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Norris McLaughlin & Marcus	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1243	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergic acetylcholine  
receptors of insects for the non-systemic control of parasitic insects,  
such as fleas, lice and flies, on humans and on animals.

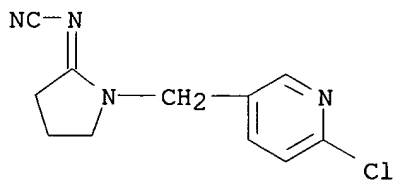
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 172333-79-8

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 3 OF 11 USPATFULL

ACCESSION NUMBER: 2001:212459 USPATFULL  
TITLE: Non-systemic control of parasites  
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of  
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001044456	A1	20011122
APPLICATION INFO.:	US 2001-780783	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep		



1997, GRANTED, Pat. No. US 6232328 Continuation of Ser.  
No. US 1995-440428, filed on 12 May 1995, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 220 East 42nd Street - 30th Floor, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1302	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	Use of agonists and antagonists of the nicotinerbic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.	

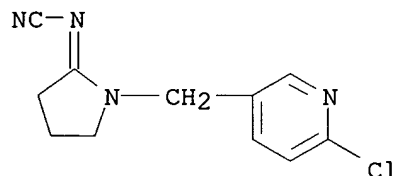
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 172333-79-8

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 4 OF 11 USPATFULL

ACCESSION NUMBER: 2001:205930 USPATFULL  
TITLE: Non-systemic control of parasites  
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of  
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001041723	A1	20011115
APPLICATION INFO.:	US 2001-780918	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 220 East 42nd Street - 30th Floor, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1305	

10/067,189

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

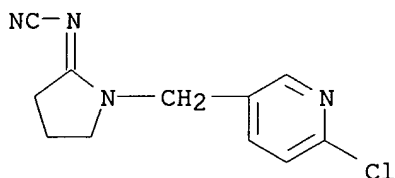
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **172333-79-8**

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 5 OF 11 USPATFULL

ACCESSION NUMBER: 2001:171151 USPATFULL

TITLE: Non-systemic control of parasites

INVENTOR(S): Dorn, Hubert, Wuppertal, DE, United States  
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001027201	A1	20011004
APPLICATION INFO.:	US 2001-780646	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 30th Floor, 220 East 42nd Street, New York, NY, 10017	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1286	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinergic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

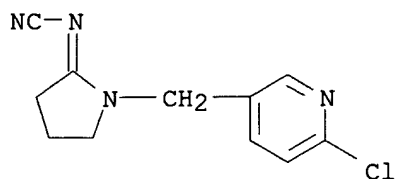
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **172333-79-8**

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 6 OF 11 USPATFULL

ACCESSION NUMBER: 2001:165840 USPATFULL  
 TITLE: Insecticidal compositions  
 INVENTOR(S): Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
 Kramer, Wolfgang, Burscheid, Germany, Federal Republic of  
 Bruggen, Kai-Uwe, Sprockhovel, Germany, Federal Republic of

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001025050	A1	20010927
APPLICATION INFO.:	US 2001-782464	A1	20010212 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-488090, filed on 20 Jan 2000, GRANTED, Pat. No. US 6218407 Division of Ser. No. US 1999-360971, filed on 27 Jul 1999, GRANTED, Pat. No. US 6060489 Division of Ser. No. US 1997-952359, filed on 17 Nov 1997, GRANTED, Pat. No. US 5994331		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19519007	19950524
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER CORPORATION, PATENT DEPARTMENT, 100 BAYER ROAD, PITTSBURGH, PA, 15205	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	434	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to insecticidal mixtures of chloronicotinyl insecticides of the formula (I) ##STR1##

in which

R<sup>sup.1</sup> represents C<sub>sub.1-5</sub>-alkyl,

R<sup>sup.2</sup> represents hydrogen or C<sub>sub.1-5</sub>-alkyl

or

R<sup>sup.1</sup> and R<sup>sup.2</sup> together represent --CH<sub>sub.2</sub>--CH<sub>sub.2</sub>--;  
 --CH<sub>sub.2</sub>--CH<sub>sub.2</sub>--CH<sub>sub.2</sub>-- or ##STR2##

X represents an NH group, NCH<sub>sub.3</sub> group or represents sulphur,

Y represents nitrogen or a CH group and

Z represents cyano or nitro,

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with one or more of the synergists mentioned in the description.

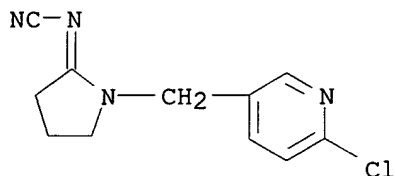
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 172333-79-8D, mixts. contg.

(synergistic insecticidal, nematocidal and acaricidal compns.)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 7 OF 11 USPATFULL

ACCESSION NUMBER: 2001:155782 USPATFULL

TITLE: Non-systemic control of parasites

INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of  
Hopkins, Terence, Tamborine, Australia

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021716	A1	20010913
APPLICATION INFO.:	US 2001-781108	A1	20010209 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-925372, filed on 8 Sep 1997, GRANTED, Pat. No. US 6232328 Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kurt G. Briscoe, Esq., Norris McLaughlin & Marcus, P.A., 30th Floor, 220 East 42nd Street, New York, NY, 10017	

NUMBER OF CLAIMS: 14

EXEMPLARY CLAIM: 1

LINE COUNT: 1347

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinerbic acetylcholine receptors of insects for the non-systemic control of parasitic insects, such as fleas, lice and flies, on humans and on animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

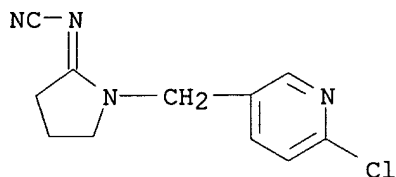
IT 172333-79-8

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)

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L5 ANSWER 8 OF 11 USPATFULL

ACCESSION NUMBER: 2001:71563 USPATFULL  
TITLE: Non-systemic control of parasites  
INVENTOR(S): Dorn, Hubert, Wuppertal, Germany, Federal Republic of  
Hopkins, Terence, Tamborine, Australia  
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal  
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6232328	B1	20010515
APPLICATION INFO.:	US 1997-925372		19970908 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-440428, filed on 12 May 1995, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1994-4417742	19940520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Norris McLaughlin & Marcus	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1253	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of agonists and antagonists of the nicotinerbic acetylcholine  
receptors of insects for the non-systemic control of parasitic insects,  
such as fleas, lice and flies, on humans and on animals.

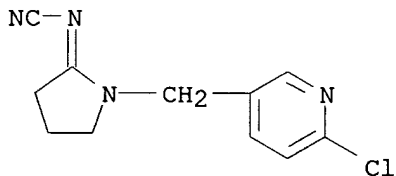
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **172333-79-8**

(nonsystemic ectoparasiticide)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 9 OF 11 USPATFULL

ACCESSION NUMBER: 2001:55983 USPATFULL  
TITLE: Insecticides  
INVENTOR(S): Erdelen, Christoph, Leichlingen, Germany, Federal

PATENT ASSIGNEE(S): Republic of  
Kramer, Wolfgang, Burscheid, Germany, Federal Republic  
of  
Bruggen, Kai-Uwe, Sprockhovel, Germany, Federal  
Republic of  
Bayer Aktiengesellschaft, Leverkusen, Germany, Federal  
Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6218407	B1	20010417
APPLICATION INFO.:	US 2000-488090		20000120 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-360971, filed on 27 Jul 1999, now patented, Pat. No. US 6060489 Division of Ser. No. US 952359, now patented, Pat. No. US 5994331		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19519007	19950524
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Gil, Joseph C.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	382	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to insecticidal mixtures of chloronicotinyl insecticides of the formula (I) ##STR1##

in which

R.sup.1 represents C.sub.1 -C.sub.5 -alkyl,

R.sup.2 represents hydrogen or C.sub.1-C.sub.5 -alkyl

or

R.sup.1 and R.sup.2 together represent --CH.sub.2 --CH.sub.2 --; --CH.sub.2 --CH.sub.2 --CH.sub.2 -- or ##STR2##

X represents an NH group, NCH.sub.3 group or represents sulphur,

Y represents nitrogen or a CH group and

Z represents cyano or nitro, with one or more of the synergists mentioned in the description.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

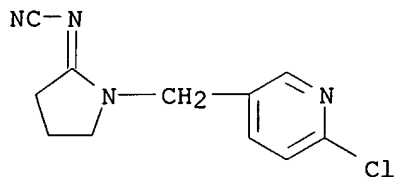
IT 172333-79-8D, mixts. contg.

(synergistic insecticidal, nematocidal and acaricidal compns.)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)

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L5 ANSWER 10 OF 11 USPATFULL

ACCESSION NUMBER: 2000:57783 USPATFULL

TITLE: Insecticidal compositions and methods of use employing them

INVENTOR(S): Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
Kramer, Wolfgang, Burscheid, Germany, Federal Republic of  
Bruggen, Kai-Uwe, Sprockhovel, Germany, Federal Republic of

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6060489		20000509
APPLICATION INFO.:	US 1999-360971		19990727 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-952359, filed on 17 Nov 1997, now patented, Pat. No. US 5994331		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19519007	19950524
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Gil, Joseph C., Marmo, Carol	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	375	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to insecticidal mixtures of chloronicotinyl insecticides of the formula (I) ##STR1## in which R.sup.1 represents C.sub.1 -C.sub.5 -alkyl,

R.sup.2 represents hydrogen or C.sub.1 -C.sub.5 -alkyl

or

R.sup.1 and R.sup.2 together represent --CH.sub.2 --CH.sub.2 --; --CH.sub.2 --CH.sub.2 --CH.sub.2 -- or ##STR2## X represents an NH group, NCH.sub.3 group or represents sulphur, Y represents nitrogen or a CH group and

Z represents cyano or nitro,

with one or more of the synergists mentioned in the description.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

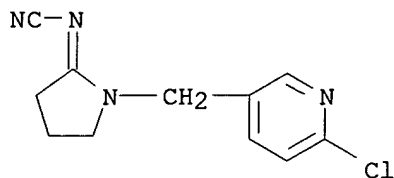
IT 172333-79-8D, mixts. contg.

(synergistic insecticidal, nematocidal and acaricidal compns.)

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RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



L5 ANSWER 11 OF 11 USPATFULL

ACCESSION NUMBER: 1999:155714 USPATFULL

TITLE: Insecticidal compositions and methods of use employing imidacloprid and another insecticide

INVENTOR(S): Erdelen, Christoph, Leichlingen, Germany, Federal Republic of  
Kramer, Wolfgang, Burscheid, Germany, Federal Republic of  
Bruggen, Kai-Uwe, Sprockhovel, Germany, Federal Republic of

PATENT ASSIGNEE(S): Bayer Atiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5994331		19991130
	WO 9637105		19961128
APPLICATION INFO.:	US 1997-952359		19971117 (8)
	WO 1996-EP2039		19960513
			19971117 PCT 371 date
			19971117 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1995-19519007	19950524
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Robinson, Allen J.	
LEGAL REPRESENTATIVE:	Gil, Joseph C., Marmo, Carol	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	374	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to insecticidal mixtures of chloronicotinyl insecticides of the formula (I) ##STR1## in which R.sup.1 represents C.sub.1 -C.sub.5 -alkyl,

R.sup.2 represents hydrogen or C.sub.1 -C.sub.5 -alkyl,

or

R.sup.1 and R.sup.2 together represent --CH.sub.2 --CH.sub.2 --; --CH.sub.2 --CH.sub.2 --CH.sub.2 -- or ##STR2## X represents an NH group, NCH.sub.3 group or represents sulphur, Y represents nitrogen or a CH group and

Z represents cyano or nitro,



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with one or more of the synergists mentioned in the description.

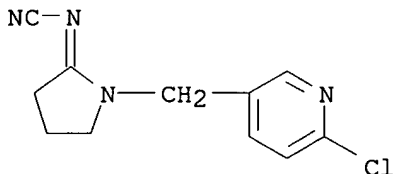
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 172333-79-8D, mixts. contg.

(synergistic insecticidal, nematocidal and acaricidal compns.)

RN 172333-79-8 USPATFULL

CN Cyanamide, [1-[(6-chloro-3-pyridinyl)methyl]-2-pyrrolidinylidene]- (9CI)  
(CA INDEX NAME)



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